

**Second Semester FYUGP Degree (Reg/Sup/Imp) Examination
April 2026****KU2MDCPHY102 - WONDERS OF THE COSMOS**

2024 Admission onwards

Time : 1.5 hours

Maximum Marks : 50

Section A**Answer any 6 questions. Each carry 2 marks.**

1. What are the contributions of ancient Egyptians in Astronomy?
2. What is meant by the term 'Geocentric universe'?
3. Why sunsets are red?
4. What is the role of Earth's rotation in the daily rising and setting of the Sun and stars?
5. Match the following sun signs to the corresponding symbols

A	B
Leo	Balance
Libra	Crab
Pisces	Lion
Cancer	Fish

6. Write a short note on the Canis Major constellation.
7. How should we watch the sun?
8. What are the main features of Titan, the moon of Saturn?

Section B**Answer any 4 questions. Each carry 6 marks.**

9. How did explorers use the stars while sailing from Europe to North America?
10. Describe the motion of stars during night
11. Differentiate between open clusters and globular clusters
12. Explain with a proper diagram, how the seasons happen?
13. Write a note on birth of a solar system.
14. Compare the features of Mercury and Venus

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Section C**Answer any 1 questions. Each carry 14 marks.**

15. Explain how Galileo's discoveries marked the beginning of modern astronomy.
16. (a) Explain the various steps in the evolution of the moon.
(b) Explain the important sights and their characteristics found on the surface of the moon

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